

10038321\_CLSTITLES.txt

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10038321 on February 26, 2003

9	701/70	(3 OR, 6 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/70	.Indication or control of braking, acceleration, or deceleration
9	701/96	(5 OR, 4 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/70	.Indication or control of braking, acceleration, or deceleration
	701/93	..Vehicle speed control (e.g., cruise control)
	701/96	...Having inter-vehicle distance or speed control
8	340/995	(1 OR, 7 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/995	.Map display
8	701/65	(1 OR, 7 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/51	.Transmission control
	701/65	..Responsive to road, external, or ambient condition
6	701/1	(5 OR, 1 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
6	701/200	(1 OR, 5 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION

701/200

NAVIGATION

5 701/208 (0 OR, 5 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/208 ..For use in a map data base system

5 701/23 (2 OR, 3 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION

701/23 .Automatic route guidance vehicle

4 180/167 (1 OR, 3 XR)

Class 180 : MOTOR VEHICLES

180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIV

E  
E, OR SOUND  
OM OBJECT OR

TO ELECTROMAGNETIC RADIATION, MAGNETIC FORC  
WAVES RECEIVED FROM SOURCE, OR REFLECTED FR  
SURFACE, LOCATED APART FROM VEHICLE

4 180/65.2 (0 OR, 4 XR)

Class 180 : MOTOR VEHICLES

180/54.1 POWER

180/65.1 .Electric

180/65.2 ..Combined with nonelectric drive means

4 340/436 (0 OR, 4 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/436 .Of collision or contact with external object

4 340/438 (3 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/438 .Internal alarm or indicator responsive to a  
condition of the vehicle

4 340/439 (0 OR, 4 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/438 .Internal alarm or indicator responsive to a

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condition of the vehicle  
340/439 ..Operation efficiency (e.g., engine  
performance, driver habits)

4 340/461 (2 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
340/438 .Internal alarm or indicator responsive to a  
condition of the vehicle  
340/459 ..Plural conditions  
340/461 ...With particular display means

4 340/903 (0 OR, 4 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

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ALARM

340/902 .Transmitter in another vehicle (e.g.,  
emergency vehicle)  
340/903 ..Relative distance between vehicles (e.g.,  
collision alert)

4 342/70 (3 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE  
342/70 .Radar mounted on and controls land vehicle

4 342/71 (1 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE  
342/70 .Radar mounted on and controls land vehicle  
342/71 ..With control of brakes or steering

4 701/111 (1 OR, 3 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION  
701/99 .With indicator or control of power plant  
(e.g., performance)  
701/101 ..Internal-combustion engine  
701/102 ...Digital or programmed data processor  
701/111 ....Vibration, roughness, knock

3 73/114 (0 OR, 3 XR)

Class 073 : MEASURING AND TESTING

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73/112 POWER PLANT OR UNIT EFFICIENCY  
73/113 .Automobile fuel consumption  
73/114 ..Miles per gallon

3 73/117.3 (1 OR, 2 XR)  
Class 073 : MEASURING AND TESTING  
73/116 MOTOR AND ENGINE TESTING  
73/117.2 .Disparate tests under operating conditions  
73/117.3 ..With continuous operation

3 180/169 (1 OR, 2 XR)  
Class 180 : MOTOR VEHICLES  
180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIV

E  
TO ELECTROMAGNETIC RADIATION, MAGNETIC FOR  
CE, OR SOUND  
WAVES RECEIVED FROM SOURCE, OR REFLECTED F  
ROM OBJECT OR  
SURFACE, LOCATED APART FROM VEHICLE  
180/169 .Radiation, force, or waves reflected from  
external object or surface

3 180/197 (1 OR, 2 XR)  
Class 180 : MOTOR VEHICLES  
180/197 WITH MEANS FOR DETECTING WHEEL SLIP DURING  
VEHICLE ACCELERATION AND CONTROLLING IT BY  
REDUCING  
APPLICATION OF POWER TO WHEEL

3 180/65.4 (1 OR, 2 XR)  
Class 180 : MOTOR VEHICLES  
180/54.1 POWER  
180/65.1 .Electric  
180/65.3 ..With means on vehicle for generating power  
for the electric motor  
180/65.4 ...Generating means is driven by a prime mover

3 318/139 (2 OR, 1 XR)  
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS  
318/139 BATTERY-FED MOTOR SYSTEMS

3 340/435 (2 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
340/435 .Of relative distance from an obstacle

3 340/471 (0 OR, 3 XR)

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Class 340 : COMMUNICATIONS: ELECTRICAL  
340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
340/468 .External signal light system  
340/471 ..Hazard warning or distress signalling

3 340/990 (0 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/988 VEHICLE POSITION INDICATION  
340/989 .At remote location  
340/990 ..With map display

3 342/357.13 (0 OR, 3 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 .Including a satellite  
342/357.01 ..With position indicating  
342/357.06 ...Using Global Positioning Satellite (GPS or  
Glonass)  
342/357.13 ....With storage device (i.e., map or database

)

3 701/211 (1 OR, 2 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/200 NAVIGATION  
701/207 .Employing position determining equipment  
701/208 ..For use in a map data base system  
701/211 ...Having audio or visual route guidance

3 701/213 (0 OR, 3 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/200 NAVIGATION  
701/207 .Employing position determining equipment  
701/213 ..Using Global Positioning System (GPS)

3 701/301 (2 OR, 1 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/300 RELATIVE LOCATION  
701/301 .Collision avoidance

2 137/625.65 (0 OR, 2 XR)  
Class 137 : FLUID HANDLING  
137/561R SYSTEMS  
137/625 .Multi-way valve unit

137/625.2 ..Supply and exhaust

137/625.65 ...Motor-operated

2 180/248 (1 OR, 1 XR)

Class 180 : MOTOR VEHICLES

180/233 HAVING FOUR WHEELS DRIVEN

180/248 .With differential means for driving two wheel  
sets at dissimilar speeds

2 180/422 (2 OR, 0 XR)

Class 180 : MOTOR VEHICLES

180/400 STEERING GEAR

180/417 .With fluid power assist

180/421 ..With condition modulated steering

180/422 ...With electrical control

2 180/446 (2 OR, 0 XR)

Class 180 : MOTOR VEHICLES

180/400 STEERING GEAR

180/443 .With electric power assist

180/446 ..Condition modulated

2 180/65.1 (0 OR, 2 XR)

Class 180 : MOTOR VEHICLES

180/54.1 POWER

180/65.1 .Electric

2 251/30.05 (0 OR, 2 XR)

Class 251 : VALVES AND VALVE ACTUATION

251/12 FLUID ACTUATED OR RETARDED

251/25 .Pilot or servo type motor

251/30.01 ..Electrically actuated pilot valve

251/30.02 ...Main valve biased closed by fluid pressure

251/30.05 ....Fluid pressure sole means for biasing valv

e

closed

2 280/5.51 (0 OR, 2 XR)

Class 280 : LAND VEHICLES

280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL  
(I.E., ACTIVE SUSPENSION CONTROL)

280/5.508 .Lateral vehicle disposition

280/5.51 ..Steering element responsive (e.g., steering  
angle, steering rate)

2 280/5.512 (1 OR, 1 XR)

Class 280 : LAND VEHICLES

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280/5.5           SUSPENSION MODIFICATION ENACTED DURING TRAVEL  
                  (I.E., ACTIVE SUSPENSION CONTROL)  
280/5.508       .Lateral vehicle disposition  
280/5.51        ..Steering element responsive (e.g., steering  
                  angle, steering rate)  
280/5.512       ...Including suspension stiffness for ride  
                  comfort (e.g., damping coefficient, spring

rate)

2   303/3           (1 OR, 1 XR)

Class   303 :   FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/2           MULTIPLE SYSTEMS  
303/3           .Fluid pressure and electric

2   318/376        (0 OR, 2 XR)

Class   318 :   ELECTRICITY:  MOTIVE POWER SYSTEMS  
318/362         BRAKING  
318/375         .Dynamic braking  
318/376         ..Regenerative

2   340/426        (0 OR, 2 XR)

Class   340 :   COMMUNICATIONS:  ELECTRICAL  
340/425.5       LAND VEHICLE ALARMS OR INDICATORS  
340/426         .Of burglary or unauthorized use

2   340/457.3      (1 OR, 1 XR)

Class   340 :   COMMUNICATIONS:  ELECTRICAL  
340/425.5       LAND VEHICLE ALARMS OR INDICATORS  
340/438         .Internal alarm or indicator responsive to a  
                  condition of the vehicle  
340/457         ..Reminder  
340/457.3       ...Of parking brake application

2   340/459        (1 OR, 1 XR)

Class   340 :   COMMUNICATIONS:  ELECTRICAL  
340/425.5       LAND VEHICLE ALARMS OR INDICATORS  
340/438         .Internal alarm or indicator responsive to a  
                  condition of the vehicle  
340/459         ..Plural conditions

2   340/463        (0 OR, 2 XR)

Class   340 :   COMMUNICATIONS:  ELECTRICAL  
340/425.5       LAND VEHICLE ALARMS OR INDICATORS  
340/463         .External alarm or indicator of movement

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2   340/468        (1 OR, 1 XR)

Class   340 :   COMMUNICATIONS:  ELECTRICAL  
340/425.5       LAND VEHICLE ALARMS OR INDICATORS

340/468 .External signal light system

2 340/575 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/540 .Specific condition  
 340/573.1 ..Human or animal  
 340/575 ...Sleep

2 340/576 (2 OR, 0 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/540 .Specific condition  
 340/573.1 ..Human or animal  
 340/576 ...Drive capability

2 340/901 (2 OR, 0 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

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#### ALARM

2 340/902 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

#### ALARM

340/902 .Transmitter in another vehicle (e.g.,  
 emergency vehicle)

2 340/904 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

#### ALARM

340/904 .Transmitter in one vehicle only

2 340/905 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

#### ALARM

340/905 .Highway information (e.g., weather, speed  
 limits, etc.)

2 340/937 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/933 VEHICLE DETECTORS





2 382/104 (2 OR, 0 XR)  
     Class 382 : IMAGE ANALYSIS  
     382/100 APPLICATIONS  
     382/104 .Vehicle or traffic control (e.g., auto, bus,  
                     or train)

2 477/97 (1 OR, 1 XR)  
     Class 477 : INTERRELATED POWER DELIVERY CONTROLS,  
                     INCLUDING ENGINE CONTROL  
     477/34 TRANSMISSION CONTROL  
     477/97 .Control by sensed ambient condition, pattern  
                     indicia, external signal, or temperature

2 701/117 (0 OR, 2 XR)  
     Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                     RELATIVE LOCATION  
     701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
                     INDICATION  
     701/117 .Traffic analysis or control of surface vehicl

e

2 701/123 (1 OR, 1 XR)  
     Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                     RELATIVE LOCATION  
     701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
                     INDICATION  
     701/123 .With indication of fuel consumption rate or  
                     economy of usage

2 701/201 (1 OR, 1 XR)  
     Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                     RELATIVE LOCATION  
     701/200 NAVIGATION  
     701/201 .Determination of travel data based on the  
                     start point and destination point

2 701/209 (0 OR, 2 XR)  
     Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                     RELATIVE LOCATION  
     701/200 NAVIGATION  
     701/207 .Employing position determining equipment  
     701/208 ..For use in a map data base system  
     701/209 ...Including route searching or determining  
                     device

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2 701/22 (1 OR, 1 XR)  
     Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

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    RELATIVE LOCATION
701/1    VEHICLE CONTROL, GUIDANCE, OPERATION, OR
          INDICATION
701/22   .Electric vehicle

2  701/24    (0 OR, 2 XR)
    Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
              RELATIVE LOCATION
701/1    VEHICLE CONTROL, GUIDANCE, OPERATION, OR
          INDICATION
701/23   .Automatic route guidance vehicle
701/24   ..On-board computer interact with a host
          computer

2  701/35    (0 OR, 2 XR)
    Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
              RELATIVE LOCATION
701/1    VEHICLE CONTROL, GUIDANCE, OPERATION, OR
          INDICATION
701/29   .Vehicle diagnosis or maintenance indication
701/35   ..With data recording device

2  701/36    (0 OR, 2 XR)
    Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
              RELATIVE LOCATION
701/1    VEHICLE CONTROL, GUIDANCE, OPERATION, OR
          INDICATION
701/36   .Vehicle subsystem or accessory control

2  701/41    (0 OR, 2 XR)
    Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
              RELATIVE LOCATION
701/1    VEHICLE CONTROL, GUIDANCE, OPERATION, OR
          INDICATION
701/36   .Vehicle subsystem or accessory control
701/41   ..Steering control

2  701/48    (1 OR, 1 XR)
    Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
              RELATIVE LOCATION
701/1    VEHICLE CONTROL, GUIDANCE, OPERATION, OR
          INDICATION
701/36   .Vehicle subsystem or accessory control
701/48   ..Cooperative or multiple control (e.g.,
          suspension and braking)
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2  701/49    (2 OR, 0 XR)
    Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
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RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION

701/36 .Vehicle subsystem or accessory control

701/49 ..Vehicle equipment position control (e.g.,  
seat, mirror, door, window, headrest, or he

adlamp)

2 701/54 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION

701/51 .Transmission control

701/53 ..And other vehicle control

701/54 ...Engine output control

2 701/83 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION

701/70 .Indication or control of braking,  
acceleration, or deceleration

701/82 ..Antispin, traction control, or drive slip  
control

701/83 ...Control of brake pressure